

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/051611

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01R33/567

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, COMPENDEX, INSPEC, BIOSIS, EMBASE, MEDLINE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MELCHERT U H ET AL: "MOTION-TRIGGERED CINE MR IMAGING OF ACTIVE JOINT MOVEMENT" MAGNETIC RESONANCE IMAGING, TARRYTOWN, NY, US, vol. 10, no. 3, 1992, pages 457-460, XP009013558 ISSN: 0730-725X the whole document	1-5, 8, 11-13, 15, 19-21
Y	----- -/--	6, 7, 16, 18

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

5 November 2004

Date of mailing of the international search report

17/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Streif, J

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BROSSMANN J ET AL: "PATELLAR TRACKING PATTERNS DURING ACTIVE AND PASSIVE KNEE EXTENSION: EVALUATION WITH MOTION-TRIGGERED CINE MR IMAGING" RADIOLOGY, OAK BROOK, IL, US, vol. 187, no. 1, 1993, pages 205-212, XP009013584 ISSN: 0033-8419 Section "Materials and methods" figures 1,8-10	1-5, 8, 11-13, 15, 19-21
Y		6, 7, 16, 18
X	NIITSU M ET AL: "Tears of cruciate ligaments and menisci: Evaluation with cine MR imaging" RADIOLOGY, vol. 178, 1991, pages 859-864, XP009039100 Section "Subjects and methods" figures 1-4	1-5, 8-15, 19-21
Y		6, 7, 16, 18
X	US 5 154 178 A (SHAH AJIT S) 13 October 1992 (1992-10-13)  column 2, line 6 - column 9, line 25 figure 1	1-5, 8-15, 19-21
Y		6, 7, 16, 18
X	US 5 541 515 A (TSUJITA KAZUHIKO) 30 July 1996 (1996-07-30)  column 3, line 1 - column 6, line 18 figures 3,4,7-11,14	1-5, 8-15, 19-21
Y		6, 7, 16, 18
X	LENZ G W ET AL: "RETROSPECTIVE CARDIAC GATING: A REVIEW OF TECHNICAL ASPECTS AND FUTURE DIRECTIONS" MAGNETIC RESONANCE IMAGING, TARRYTOWN, NY, US, vol. 7, no. 5, September 1989 (1989-09), pages 445-455, XP009020331 ISSN: 0730-725X Sections "Theory, Materials and methods" figure 1	1-5, 11-13, 15, 21
Y		6, 7, 16, 18
	----- -/--	

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SPRAGGINS T A: "WIRELESS RETROSPECTIVE GATING: APPLICATION TO CINE CARDIAC IMAGING" MAGNETIC RESONANCE IMAGING, TARRYTOWN, NY, US, vol. 8, no. 6, 1990, pages 675-681, XP009021008 ISSN: 0730-725X Sections "Introduction, Method" figures 2-5	1-5, 11-15,21
Y		6,7,16, 18
X	KIM W S ET AL: "EXTRACTION OF CARDIAC AND RESPIRATORY MOTION CYCLES BY USE OF PROJECTION DATA AND ITS APPLICATIONS TO NMR IMAGING" MAGNETIC RESONANCE IN MEDICINE, ACADEMIC PRESS, DULUTH, MN, US, vol. 13, no. 1, 1990, pages 25-37, XP000103634 ISSN: 0740-3194 the whole document	1-5, 11-15,21
Y		6,7,16, 18
X	US 6 549 008 B1 (ANAND CHRISTOPHER K ET AL) 15 April 2003 (2003-04-15)  column 1, line 5 - column 6, line 64	1-5, 11-15, 17,21
Y		6,7,16, 18
Y	EP 0 599 456 A (PICKER INT INC) 1 June 1994 (1994-06-01) page 5, line 18 - page 6, line 21 figures 2,4	6,7,18
Y	US 2002/039024 A1 (KATSCHER ULRICH ET AL) 4 April 2002 (2002-04-04) paragraph '0014! - paragraph '0027! paragraph '0039! - paragraph '0067!	16
A	QUICK HH ET AL: "Real-time MRI of joint movement with TrueFISP" PROCEEDINGS OF THE INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE, 9TH SCIENTIFIC MEETING AND EXHIBITION, GLASGOW, SCOTLAND, UK, 21-27 APRIL 2001, 21 April 2001 (2001-04-21), page 2131, XP002303697 the whole document	1-21
	----- -/--	

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/051611

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PATEL VV ET AL: "Non-invasive, weight bearing MRI analysis of tibio-femoral biomechanics"</p> <p>PROCEEDINGS OF THE INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE, 10TH SCIENTIFIC MEETING, HONULULU, HAWAI'I, USA, 18-24 MAY 2002, 18 May 2002 (2002-05-18), page 1804, XP002303698</p> <p>the whole document</p> <p>-----</p>	1-21

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051611

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5154178	A	13-10-1992	CA 2069411 A1	10-04-1992
			EP 0510144 A1	28-10-1992
			JP 5503027 T	27-05-1993
			WO 9206386 A1	16-04-1992
US 5541515	A	30-07-1996	JP 7194569 A	01-08-1995
US 6549008	B1	15-04-2003	NONE	
EP 0599456	A	01-06-1994	US 5348011 A	20-09-1994
			DE 69322841 D1	11-02-1999
			DE 69322841 T2	20-05-1999
			EP 0599456 A1	01-06-1994
			JP 6217960 A	09-08-1994
US 2002039024	A1	04-04-2002	WO 0210787 A1	07-02-2002
			WO 0210788 A1	07-02-2002
			WO 0210790 A1	07-02-2002
			EP 1307757 A1	07-05-2003
			EP 1307758 A1	07-05-2003
			EP 1307759 A1	07-05-2003
			JP 2004504907 T	19-02-2004
			JP 2004504908 T	19-02-2004
			JP 2004504910 T	19-02-2004
			US 2004150400 A1	05-08-2004
			US 2002060567 A1	23-05-2002
			US 2002042568 A1	11-04-2002